

# Model DPL

## Differential Pressure Transmitter with Local Indication

### Description

DPL model is ideal for the application (such as HVAC) with differential pressure, vacuum pressure, gauge pressure and especially low pressure of non-corrosive gases or air measured. Analog output 4~20mA, 2wire and it provides LCD display.

### Features

- ▶ 3 1/2 digit LCD display
- ▶ 2Wire 4~20mA analog output
- ▶ Measuring range 0~300Pa ... 100kPa diff.
- ▶ 0.5%FS accuracy
- ▶ Piezoresistive silicon cell
- ▶ Use with non-corrosive, non-ionic media

### Applications

- ▶ Airflow Measurement
- ▶ Room Static Pressure
- ▶ VAV Box
- ▶ Lab/Fume Hood Control
- ▶ Clean Room Control



### Specifications

#### Range

0~300, 500Pa / 1, 2, 5, 10, 20, 50, 100kPa

#### Performance

|                              |                  |
|------------------------------|------------------|
| Accuracy                     | ±0.5%FS ± 1digit |
| Thermal Effect on Zero       | ±0.08%FS/°C      |
| Thermal Effect on Span       | ±0.08%FS/°C      |
| Compenated Temperature Range | 0 ~ 50°C         |
| Operating Temperature Range  | -10 ~ 70°C       |

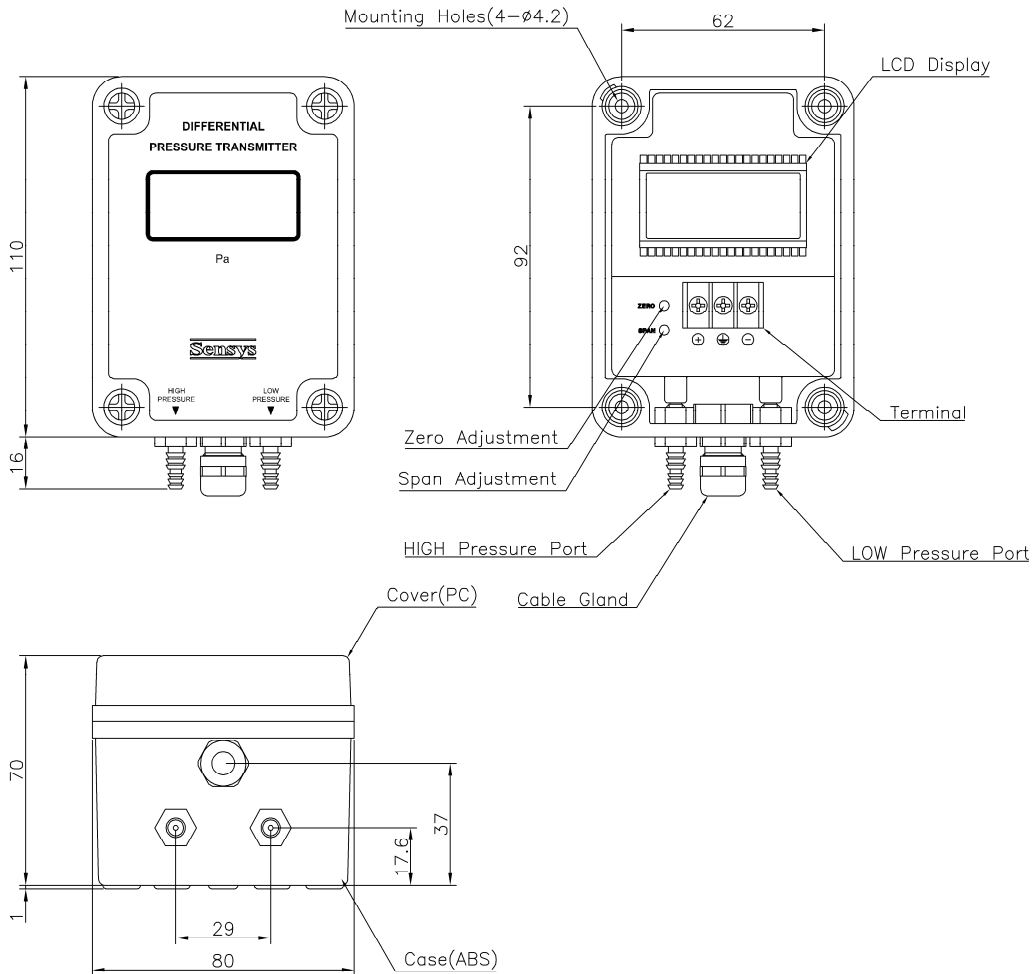
#### Electrical

|                       |                        |
|-----------------------|------------------------|
| Display               | ±1999(3 1/2) Digit LCD |
| Exitation             | 14 ~ 28VDC             |
| Output                | 4~20mA (2Wire)         |
| Electrical Connection | Cable Gland            |

#### Physical

|                        |  |
|------------------------|--|
| Proof Pressure         | 300%FS Max.                                    |
| Burst Pressure         | 500%FS Min.                                    |
| Vibration              | 49.1m/s <sup>2</sup> {5G}, 10~500Hz            |
| Shock                  | 490m/s <sup>2</sup> {50G}                      |
| Pressure Port          | 1/8", 3/16" Nipple                             |
| Media-Wetted Materials | Brass(Ni plated), SiO <sub>2</sub> , Si Rubber |
| Protection             | IP66   |
| Weight                 | Approx. 350g                                   |

## Dimension



| Pin No. | Connections |
|---------|-------------|
| ⊕       | Input ⊕     |
| ⊕       | Earth       |
| ⊖       | Output ⊕    |

## Ordering Information

|                       |                    |  |
|-----------------------|--------------------|--|
| <b>Model Name</b>     | <b>DPLH 0750 A</b> | <b>Pressure Unit</b>   |
| <b>Pressure Range</b> |                    | A : Pa<br>D : mmH <sub>2</sub> O<br>K : kgf/cm <sup>2</sup><br>B : bar<br>R : kPa<br>C : cmH <sub>2</sub> O<br>H : mmHg<br>P : psi |

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· Specifications are subject to change without notice.